

CAPSULE SUMMARY
OF ACTIVE TASKS

APRIL 1, 2005

UNITED STATES MEMBER STATE SUPPORT PROGRAM TO IAEA SAFEGUARDS

DEPARTMENT OF ENERGY
DEPARTMENT OF STATE
NUCLEAR REGULATORY COMMISSION
DEPARTMENT OF DEFENSE

INTERNATIONAL SAFEGUARDS PROJECT OFFICE
BROOKHAVEN NATIONAL LABORATORY
UPTON, LONG ISLAND, NEW YORK 11973

Currently Active Tasks

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.116		Field Support Instruments and Techniques [USA A 931 / G. Bosler]	ORNL	\$169,009.00	\$155,878.00	
						There has been no activity reported for this quarter.
	A.116.47		LANL	\$1,838,200.00	\$1,838,200.00	
						A.116.68 - Assistance to the IAEA on the Large Neutron Multiplicity Counter for KAMS - ISPO and the IAEA agreed to close this subtask as of March 22, 2005.
						A116.76 - KAMS Software Development - ISPO and the IAEA agreed to close this subtask as of March 22, 2005.
	A.116.58		LLNL	\$143,000.00	\$142,407.00	
						High Purity Mechanically Cooled Ge Detector - The task officer Roland Carchon considers the work complete. To summarize the task, the LLNL Ge detector has a broadened resolution, which does not allow the use of MGA or MGAU as an analysis method for plutonium or uranium. The IAEA may still use the device for uranium enrichment measurements, relying on the area of the 186 keV peak. This would not require additional work with LLNL. Therefore, the IAEA and ISPO agreed that this subtask may be closed. The Ge detector has been returned to LLNL.
	A.116.83		LANL	\$248,000.00	\$232,250.00	
						LANL has been correcting and testing the CHEM software extensively. The IAEA requested LANL to install and to demonstrate the CHEM software at the Rokkasho Enrichment Plant, Japan, and to train inspectors in its use. This field support is for both IAEA and Japanese State inspectors, and was conducted during the week of March 21,
A.202		Separation of Plutonium Isotopes for the Production of High Purity Spike Reference Materials [USA A 909 / D. Donohue]				
			LANL	\$17,100.00	\$17,100.00	
						There was no activity for this quarter.
			NBL	\$77,225.00	\$56,375.00	
						NBL was under a safety stand down from December 2004 to April 2005. The Memorandum of Understanding (MOU) for the provision of FP-33 feed material to the Russian Federation for separation of plutonium isotopes will be signed by US and IAEA representatives in April 2005.
			ORNL	\$72,000.00	\$41,411.00	
						There has been no activity reported for this quarter.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.218		Controlled Potential Coulometry of 1 mg Pu with SRL Coulometer [USA A 1049 / K. Raptis]				
			NBL	\$75,000.00	\$72,671.00	
						The final report of the effects of impurities on plutonium assays has been delayed until next quarter, because of the safety stand down at
			SRNL	\$334,023.00	\$241,625.00	
						The IAEA Safeguards Analytical Laboratory (SAL) has transmitted data to SRS, which shows a bias when measuring plutonium reference material with the SRS coulometer. SRS directed SAL to complete various tests, which have not resolved the bias. Review of test data indicates that the electronics are functioning properly. SAL requested on-site support from SRS. Michael Holland of the SRS Analytical Laboratories Department is planning to visit SAL on April 14.
A.223		Technical Support to the Clean Laboratory [USA A 1081 / D. Donohue]				
	A.223.09		LANL	\$107,000.00	\$13,200.00	
						Clean Laboratory Training for SAL Staff - The IAEA requested to have the clean laboratory training conducted separately for the two students, Stephan Vogt and Taeko Shinonaga. Mr. Vogt traveled to the U.S. for his two-day training session in mid-March. Due to extreme weather conditions, his two-day training at LANL could not be administered. Ms. Shinonaga is planning to travel to LANL for her training in September.
A.227		BN-350 Hot Cell Transfer Monitor [USA A 1103 / T. Pochet]				
			Aquila	\$184,500.00	\$186,249.00	
						ISPO and the IAEA agreed that this task is complete as of March 22, 2005.
			LANL	\$663,213.00	\$663,213.00	
						ISPO and the IAEA agreed that this task is complete as of March 23, 2005.
A.233		NDA Verification Techniques for BRN Enrichment Plant [USA A 1157 / E. Gryntakis]				
			ORNL	\$561,870.00	\$561,870.00	
						This task is on stand by.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.241		Development of Integrated Review Software for UMS [USA A 1238 / C. Liguori]				
			LANL	\$402,000.00	\$334,742.00	LANL delivered the "Integrated Review Software: LANL Import Component Interface Design Specification" in February 2005. LANL made minor changes to the Import Manager component to increase its flexibility and to comply with the design plans for Rokkasho systems. Integrated Review Software (IRS) designers provided support to other LANL staff who are analyzing existing LANL NDA software. The existing software will be decomposed into COM objects, to ensure that the architecture being developed is consistent with the new software paradigm of plug and play capability and encapsulated functionality.
	A.241.01		LANL	\$168,870.00	\$42,500.00	Adoption of OPD Data into Generic Software - LANL discussed operator review needs with IAEA contacts from Operations A and B and with in-house subject matter experts. LANL prepared the software requirements document to state operator review needs formally and reviewed it at LANL. SGOB has identified a potential need to expand and to re-prioritize the scope of the project to include the import of operator declarations from Adobe Acrobat (PDF) files.
	A.241.02		LANL	\$123,000.00	\$6,800.00	Prototype Analysis Module - There has been no activity reported for this quarter.
	A.241.03		LANL	\$27,000.00	\$1,500.00	Implementation of VIFM Analysis - Activity on this task is dependent upon the IAEA developing the VIFM Analysis COM.
	A.241.04		LANL	\$74,000.00	\$4,100.00	IRS Upper Layer Redesign, Standardization - There has been no activity reported for this quarter.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.242		Evaluation of Miniature GRAND Electronic Unit [USA A 1239 / G. Bosler]				
	A.242.02		LANL	\$220,000.00	\$206,889.00	MiniGRAND Commercialization - LANL has reported no activity on this task during this quarter. At the USSP Annual Task Review Meeting in Vienna on March 22 and 23, the IAEA reported that it is still having some problems testing the MiniGRANDs as they are received. The IAEA is planning to have a staff member visit LANL and Aquila to resolve these issues.
	A.242.06		LANL	\$630,000.00	\$578,730.00	MiniGRAND Microprocessor Board Upgrade - LANL has completed the design and fabrication of a MiniGRAND Microprocessor circuit board (MPB) to test the peripheral bus interface. A second circuit board is being fabricated for additional testing. LANL has nearly completed the porting of MiniGRAND firmware to the new MPB. LANL purchased a commercial file system that will allow the writing of Windows-compatible files to removable media, as desired by the IAEA. LANL has been performing environmental testing on the Component Board, which is used both by the MPB and by the Auxiliary Communication Device (ACD).
A.243		Enhanced Efficiency for Thermal Ionization of U and Pu [USA A 1268 / M. Hedberg]				
			ORNL	\$958,000.00	\$945,885.00	The IAEA accepted the final report delivered by ORNL. ISPO and the IAEA agreed that this task is closed as of March 22, 2005.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.247		Support for the Development of the SG System at Rokkasho Reprocessing Plant [USA A 1351 / S. Johnson]				
	A.247.05		LANL	\$699,000.00	\$659,270.00	RRP Integration of Inspection Equipment - LANL has installed and tested the modified preamplifiers successfully for the Vitrified Canister Assay System (VCAS) detector. The installation of this detector is planned for September 2005 at RRP. The IAEA may request support to add ion chamber monitors for the VCAS detector and the new Temporary Canister Verification System (TCVS).
	A.247.07		LANL	\$54,000.00	\$49,673.00	RRP Monitoring of Shielded MOX Canisters - There has been no activity reported for this quarter. The IAEA is waiting for the final report from LANL.
	A.247.09		LANL	\$176,000.00	\$124,531.00	RRP Project Coordination - This task enables regular reporting to the IAEA, concerning all of the work by LANL for the Rokkasho Reprocessing Plant.
	A.247.11		LANL	\$8,200.00	\$8,200.00	Curium Balancing - The IAEA is waiting for data from neutron systems in 2006, before resuming this activity. ISPO and the IAEA agreed to close this subtask as of March 22, 2005. The IAEA will issue a new request when the need arises.
	A.247.12		LANL	\$37,106.00	\$38,000.00	Conceptual Design of a Temporary Canister Verification System (TCVS) at RRP - This task remains open to provide any further information needed by the IAEA. The task covered the conceptual design of the system. Work concerning the implementation and calibration of the system may be included in a new IAEA request.
	A.247.13		IAEA	\$752,709.00	\$717,183.00	Cap Gemini Ernst & Young (CGE&Y) assisted the IAEA with final acceptance testing for the Phase 1 deliverables of the contract. Some minor software problems were identified and will be addressed during the warranty phase of the contract. Work on the support phase was initiated in February, which is being funded by USSP and regular IAEA budget funding.
	A.247.15		IAEA	\$346,000.00	\$340,507.00	RRP Integrated Inspector Information System (I3S) - ISPO and the IAEA agreed that this subtask is closed as of March 22, 2005.

TaskID	Title		Organizatio	Total Budget	Total Spent	Comments
Subtas	[Agency# / Task Officer]					
A.247.16			LANL	\$44,000.00	\$26,900.00	IRS Software Assessment for RRP NDA Applications - This task has three parts: to review the NDA Review (NDAR) software requirements and determine what software development is needed to meet these requirements, to review the stand-alone IRS software requirements and determine what software development is needed to meet these requirements, and to submit a proposal to the USSP for the software development needed. LANL completed the review of the NDAR software requirements, transmitted it to the IAEA, and discussed the review with the IAEA. LANL is waiting for specifics from the IAEA on the stand-alone IRS software requirements before completing a review. LANL is waiting for guidance from the IAEA on which software modules needed for the NDAR system should be developed by LANL.
A.247.17			BMI	\$46,105.00	\$0.00	Netscreen Security Audit - This subtask was approved by the SSTS at its December 2, 2004, meeting. Plus Five was selected originally as the contractor, but when it was discovered that Plus Five did not have pre-approved government rates, a competitive procurement was conducted. As a result, Battelle Memorial Institute was awarded the contract to conduct the security audit of the IAEA's Netscreen VPN/Firewall Appliance at IAEA headquarters and at the Rokkasho Reprocessing Plant.
A.248	Gate Monitor at LWRs Loaded with MOX Assemblies [JNT USA A 1356 / T. Pochet]		LANL	\$286,000.00	\$279,630.00	The IAEA has requested that LANL deliver the prototype gate monitor to Vienna. LANL is completing the final characterization of the system and the system documentation.
A.249	Development of Data Review Software Based on Neural Networks [JNT USA D 1332 / G. Rengarajan]		LANL	\$0.00	\$0.00	ISPO and the IAEA agreed to terminate this task as of March 23, 2005.
A.250	Enhanced ANM Capability for HKED Software at SAL [USA A 1369 / N. Doubek]		LANL	\$165,000.00	\$159,009.00	There has been no activity reported for this quarter.
A.250.01			LANL			

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.251		Expert - Instrumentation Systems [USA E 1372 / M. Aparo]	CFE	\$362,000.00	\$341,471.00	The expert James Halbig drafted the specifications for cables and equipment to be installed at the entrance and exit points of the Chernobyl facility and submitted them to IAEA Operations for review and approval. Dr. Halbig has been overseeing the procurement of parts necessary for the access points. He sent detectors to LANL to be characterized and matched to hardware that will be used in the final installation. The computer hardware to replace the radiation monitoring PIP-6 and SDIS video server was prepared and tested in Vienna. Dr. Halbig continues to monitor the BN-350 Reactor state-of-health information. BN-350 facility replacement computers arrived and will be installed when LANL completes the measurements of shielding materials for the dual use casks or at the next scheduled inspection. The new Baseline 1 version of Radiation Review software was installed on new inspectors' laptops. Training on Baseline 1 for TIE staff was completed.

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A.252	Field Support and Implementation [USA A 931 / G. Bosler]				
A.252.05		LANL	\$60,000.00	\$57,648.00	Training Support for TRP - There has been no activity reported for this quarter.
A.252.08		BNL/NCT	\$15,000.00	\$13,682.00	Downblending at Ulba - There has been no activity reported for this quarter. The IAEA has no immediate plans to proceed with this
A.252.09		ORNL	\$25,000.00	\$7,821.00	IQ3 Detector - There has been no activity reported for this quarter.
A.252.10		BNL/NCT	\$75,000.00	\$68,744.00	Neutron Camera - The analysis of thermal neutron images from the spent fuel storage casks at INL was completed. All the sections of the manuscript which deal with neutrons were sent to LLNL for integration into the final report.
A.252.10		INL	\$24,008.00	\$24,570.00	
A.252.10		LLNL	\$81,000.00	\$61,641.00	Gamma Camera - The report to the IAEA on imaging spent fuel casks is in the final stages of preparation. The report will be delivered to the IAEA in April 2005.
A.252.12		KCP	\$568,625.00	\$0.00	T-1 Seals - Assembly and testing of the first fifty T-1 seals began. Shipment of the first fifty seals is planned for mid-April.
A.252.13		IAEA	\$10,000.00	\$10,500.00	Precision Data Technologies (PDT) Preamplifiers - Agency testing of the 0.5-inch diameter preamps continues.
A.252.14		LANL	\$146,000.00	\$99,100.00	FDMS and RR Codes - This task is to integrate the Fork Detector Measurement System software (FDMS) into the UNARM Integrated Review framework, with the Radiation Review application serving as the initial data source. Most software functionality is in place and ready for delivery to the IAEA at the end of March 2005. An experimental UNARM software version which has the new FDMS and Radiation Review changes was created and is ready for delivery to, and acceptance by, the IAEA.
A.252.15		LANL	\$48,000.00	\$46,700.00	Upgrade VWCC at Tokai - There has been no activity reported for this quarter.

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	A.252.16		LANL	\$41,000.00	\$20,800.00	Recalibration of the Hulls Measurement and Monitoring System (HMMS) - Final revisions are being made to the report on the recalibration of the HMMS. Submission for classification review is pending.
	A.252.17		LANL	\$22,000.00	\$1,300.00	JOYO Hot Cell Detector - There has been no activity reported for this quarter.
A.253		Expert - Specifications of Data Collection and Evaluation Software for RRP (P4) [USA A 1398 / S. Johnson]	CFE	\$378,200.00	\$309,657.00	<p>The expert Joseph Damico has been monitoring the contract between the IAEA and Cap Gemini Ernst & Young (CGE&Y) for the development phase of the Integrated Inspector Information System (I3S) software, which is nearly complete. There have been some problems with the archiving component, which led to delays in system acceptance testing.</p> <p>The support phase of the CGE&Y contract began and will continue for at least two quarters to provide rapid fixes and enhancements to the I3S.</p> <p>Desired enhancements will be ready for installation at the Rokkasho Reprocessing Plant (RRP) in April. Mr. Damico led the effort to justify the use of a remote communications link between RRP and IAEA Headquarters. He drafted a fax and a position paper detailing the IAEA's justification for the connection and the security measures taken to protect the data and systems. This paper was presented at the March meeting of the JNFL Working Group. The I3S hardware installation at RRP was completed during March. A new virtual private network (VPN) appliance was installed in the main server rack, replacing several smaller VPN appliances. The work station for the On-Site Laboratory was installed and connected to the I3S servers. Mr. Damico began discussions with JNFL and JSGO to conduct a full system test of the data collection and evaluation system at RRP. He is monitoring the NDA Review (NDAR) software effort. Work has begun on the NDAR design.</p>
A.256		Evaluation Software for HKED Spectral Analysis for the Joint IAEA/JSGO On Site Analytical Laboratory at the Rokkasho Reprocessing Plant [USA A 1420 / G. Duhamel]	LANL	\$160,000.00	\$154,960.00	A report describing the results of the June 2004 HKED software acceptance test was presented to LANL by IAEA-SAL. The IAEA requested a report from LANL about the acceptance test and provided descriptions of topics that the report should address.

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A.257		Consultant - Chemical Separation Techniques for Environmental Samples [USA A 1432 / Y. Kuno]				
			Clemson	\$298,000.00	\$136,475.00	BNL procurement staff are working to extend the contract with Clemson through 2005, to complete the development of chemical separations techniques requested by the IAEA.
			IAEA	\$71,300.00	\$35,876.00	The SSTS approved funding by phone poll for travel expenses for Dr. James Navratil (Clemson University) and Amanda Padgett (Clemson University graduate student) for their visit to the IAEA this summer, as part of the approved work to develop new separations techniques for environmental samples.
A.258		Detection System for In Situ Measurements of Neutron Signatures from Spent Fuel Storage Containers [USA A 1434 / Y. Lee]				
			LANL	\$180,000.00	\$70,800.00	LANL completed the report entitled: "Dry Storage Cask Measurement," by D.H. Beddingfield and M.T. Swinhoe, LA-UR-05-1410, ISPO Report # 518, January 2005. LANL is preparing for laboratory testing of the He-4 recoil approach discussed in the report.
A.259		Expert - Development of New Seals [USA E 1452 / G. Bosler]				
			CFE	\$320,900.00	\$202,759.00	The expert Hal Undem negotiated a seals design contract with Avery Dennison for the new IAEA adhesive seal. Mr. Undem is involved with the seal signature, and the seal wire and its integrity, to improve the metal seal. Progress is being made on the incorporation of radio frequency identifiers (RFIDs) as a potential metal seal signature element that can augment or replace the current signature. Mr. Undem evaluated the IAEA's Personal Radiation Search Tool (PRST) for application to a specific MOX portal monitoring problem. He reviewed radiation testing and standards for seals and containment verification equipment. Mr. Undem helped make the x-ray fluorescence analyzing device used in identifying strategic metals available to inspectors.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
A.260		Evaluation of Equipment Needs for Future Analytical Services of Safeguards Analytical Laboratory				
		[USA F 1454 /]				
			KBR	\$67,000.00	\$66,530.00	ISPO and the IAEA agreed that this task is complete as of March 22, 2005.
			NBL	\$33,000.00	\$32,481.00	ISPO and the IAEA agreed that this task is complete as of March 22, 2005.
A.261		Antineutrino Meeting				
		[USA JNT A 1465 / G. Bosler]				
			ISPO	\$0.00	\$0.00	ISPO and the IAEA agreed to close this task as of March 22, 2005.
			LANL	\$14,300.00	\$14,300.00	This task is complete.
			LLNL	\$13,000.00	\$2,103.00	This task is complete.
A.262		Coordinated Experts' Meeting on Noble Gas Monitoring and Sampling				
		[JNT USA A 1494 /]				
			PNNL	\$5,000.00	\$4,169.00	Ted Bowyer (PNNL) worked with experts from other Member States to finalize the report of the preliminary meeting, held last August, for the IAEA. The IAEA is planning to host the Coordinated Experts' Meeting on Noble Gas Monitoring this summer.
A.263		Traceability of DA Measurements - Provision of NBL Certified Reference Materials				
		[USA A 1496 / S. Balsley]				
			NBL	\$103,000.00	\$340.00	NBL has been under a safety stand down since December 2004. No actual laboratory work has been performed in support of this project during this quarter. The safety stand down was lifted for some laboratories at NBL in early April. It is anticipated that work on this task will begin in May 2005.

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A.264		Analytical Quality Control - Participation of SAL in NBL SME Programme [USA A 1497 / H. Aigner]	NBL	\$25,000.00	\$0.00	NBL has been under a safety stand down since December 2004. No actual laboratory work has been performed in support of this project during this quarter. The safety stand down was lifted for some laboratories at NBL in early April. It is anticipated that work on this task will begin in May 2005.
A.265		Environmental Sampling Evaluation Support [USA A 1498 / W. Fuhr]	ORNL	\$209,000.00	\$106,494.00	Diane Fischer (ORNL) provided environmental sampling evaluation support to the IAEA in Vienna during three weeks in February. Ms. Fischer drafted or reviewed ten environmental sampling evaluation reports. She prepared inputs for two State Evaluation Reports.
	A.265.01		ORNL	\$32,000.00	\$0.00	
B.080		Training Workshop in Design Information Review for the Entire Life Cycle of Research Reactors [USA B 984 / P. Rodriguez]	BNL/SAC	\$305,000.00	\$244,681.00	This task is on stand by.
			ORNL	\$0.00	\$0.00	This task is on stand by.
	B.080.01		ISPO	\$76,062.00	\$90,200.00	This task is on stand by.
B.082		Safeguards Training Course: Enrichment Technology [USA B 1001 / D. Liles]	ORNL	\$389,332.00	\$295,563.00	Instructional videos, training chart books, and the IAEA training manual on "Uranium Enrichment Plant Characteristics" have been reviewed and are being updated with current information. The next IAEA inspector safeguards enrichment training course will be held in Vienna, from June 13 to 17, 2005.

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B.084		Revision of Introductory Course on Agency SG (ICAS)				
		[USA B 1106 / P. Rodriguez]				
			BNL/ENT	\$15,144.00	\$15,144.00	
			Sonalysts	\$471,000.00	\$463,100.00	Sonalysts submitted the "Final Report on Planning for Upgrading the Initial Course on Agency Safeguards" to the IAEA and to ISPO. The IAEA is requesting additional funding by letter to implement Sonalysts' recommendations for upgrading the ICAS.
B.089		Safeguards Equipment Technician Training Specialist				
		[USA B 1255 / H. Barroso]				
	B.089.05		Sonalysts	\$7,044.00	\$7,044.00	ISPO and the IAEA agreed to consider this task closed as of March 22, 2005. The IAEA will provide an end of task report and an application report.
	B.089.06		Sonalysts	\$26,937.00	\$0.00	ISPO and the IAEA agreed to consider this task closed as of March 22, 2005. The IAEA will provide an end of task report and an application report.
B.090		Workshop on Quality Assurance Techniques [JNT USA B 1277 / D. Neal]				
			SAM	\$150,000.00	\$35,312.00	
	B.090.01		SAM	\$84,000.00	\$60,199.00	John Patten and Dean Neal (Safeguards, IAEA) met with STAT-A-MATRIX (SAM) in New Jersey, from January 24 to 26, to review existing materials for both the five-day workshop and the three-day seminar with SAM, for improvement input and redrafts. SAM conducted the final Quality Systems Seminar for Safeguards Managers during the week of March 7, 2005. The SSTS approved funding at its February 3, 2005, meeting for SAM to continue providing QMS training to IAEA Safeguards during 2005.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
B.091		Training on Remote Monitoring and Unattended Monitoring [USA B 1337 / V. Ryjikov]				
	B.091.03		LANL	\$138,500.00	\$21,400.00	Radiation Review Software Training - Please see Task B.093.03, contractor: Sonalysts.
	B.091.03		Sonalysts	\$118,500.00	\$10,194.00	Sonalysts and LANL worked with Vladimir Ryjikov (IAEA) to finalize plans for completing the Radiation Review training materials. Sonalysts and LANL will draft the Radiation Review training materials, in accordance with the learning objectives detailed in the Course Design Document. A pilot course will be presented to twelve Agency inspectors in May 2005. The SSTS approved additional funding by phone poll in March for Sonalysts and LANL to produce detailed training materials for the May course.
B.093		IAEA Participation in U.S. Sponsored Training Courses [USA B 0086 / V. Ryjikov]				
	B.093.05		LANL	\$495,286.00	\$275,800.00	Advanced Plutonium Verification Techniques - The SSTS approved funding for this task. The next course is expected to occur from June 15 to 22, 2005.
	B.093.06		LANL	\$865,748.00	\$493,200.00	NDA Training - LANL conducted an NDA course for new Agency inspectors from February 22 to March 4, 2005, attended by eleven inspectors, the training head from Vienna, and Jeff Sanders and Robert Beam (Idaho National Laboratory (INL)). Meetings between INL and LANL identified tasks and milestones in the assessment of INL as an alternate site for the IAEA courses.
	B.093.07		LANL	\$74,000.00	\$67,600.00	This task is in stand by.
	B.093.07		SRNL	\$47,000.00	\$45,065.00	This task is in stand by.
B.094		Neutron Pulse Simulator for Training and Testing [USA B 1401 / A. Lebrun]				
			LANL	\$430,300.00	\$410,301.00	Eight neutron pulse simulators have been assembled and tested. Final testing on these units will include environmental chamber testing. A sample unit has been running and generating pulse streams. A few software bugs were found and fixed. The software and firmware are now complete. The remaining work includes loading the final versions of the software and hardware onto the unit, testing the units in the environmental chamber, and completing the users manual.

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B.095		Feasibility Study on Inspector Certification [USA B 1407 / S. Bobadila-Mucino]	Sonalysts	\$67,000.00	\$76,523.00	ISPO learned that the IAEA considers this task closed during the 2005 Annual Task Review, held on March 22 and 23.
B.096		Workshop on Additional Protocol Activities [USA B 1415 / S. Bobadilla-Mucino]	BNL/NCT	\$45,000.00	\$44,192.00	BNL received word that the Additional Protocol (AP) Workshop would be a priority for IAEA Safeguards Training in FY 2006, and that BNL and the IAEA would be working to put on the AP Workshop as a pilot course in early calendar year 2006. BNL is in the process of revising project plans for the course and submitting a proposal for this effort.
B.098		Enhanced Observational Skills [USA B 1446 / D. Liles]	Sonalysts	\$286,000.00	\$164,810.00	The initial training course on Enhanced Observational Skills was held during the week of February 14, 2005. The Agency requested that an additional initial training course be held in May 2005. The SSTS approved funding by phone poll for Sonalysts to deliver the refresher course.
B.099		Physical Inventory Taking Computer Based Training [USA B 1464 / D. Liles]	BMI	\$175,000.00	\$32,331.00	Legal issues with the subcontractor have not been resolved.
B.100		Expert - Support for State Systems of Accounting for and Control of Nuclear Materials (SSACs) [USA B 1469 / J. Vidaurre-Henry]	CFE	\$160,200.00	\$129,585.00	The expert Dawn Liles completed her CFE assignment in March 2005.
B.101		Expert - Senior Instrumentation Specialist - Training in NDA Equipment and Procedures [USA B 1418 / J. Vidaurre-Henry]	IAEA	\$100,000.00	\$0.00	The IAEA submitted an offer to Philip Hypes for the Senior Instrumentation Specialist position.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
C.102		Development of Safeguards for Final Disposal of Spent Fuel in Geological Repositories - SAGOR Phase II [JNT USA C 1204 / A. Diaz-Mosquera]	ISPO	\$5,389.00	\$5,389.00	There was no SAGOR activity this quarter. There is no activity expected for the rest of the calendar year. The IAEA plans to make a formal request for the next phase of this work. This task will be considered complete when that request is received.
			LANL	\$58,600.00	\$58,600.00	There was no activity for this quarter.
			SNL	\$17,947.32	\$17,947.32	There was no activity for this quarter.
C.105		Expert - Development of the Safeguards System for Rokkasho Reprocessing Plant (Ehinger) [USA C 1257 / S. Johnson]	CFE	\$774,500.00	\$709,155.00	The expert Michael Ehinger continued to support the IAEA's JNFL project. Solution monitoring data is being collected at the facility. The solution monitoring software for processing the data has been received. Mr. Ehinger is involved in testing and debugging the software using the data from the JNFL facility. He has been involved in efforts to assemble an additional solution monitoring data collection system in Vienna. This system will be used for training and development in support of the equipment installed at the JNFL facility. Mr. Ehinger participated in working group meetings in Japan at the JNFL facility. He conducted maintenance on the installed solution monitoring equipment. Mr. Ehinger is working with the Joint Research Center - Ispra to obtain solution monitoring software for use by the IAEA at the Tokai Reprocessing Plant in Japan.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
C.106		Expansion of the Physical Model [USA C 1279 / Z. Liu]				
			BNLCONTR	\$28,000.00	\$15,706.00	There has been no activity reported for this quarter.
			INEEL	\$11,900.00	\$11,379.00	There has been no activity reported for this quarter.
			ISPO	\$11,000.00	\$13,423.00	There has been no activity reported for this quarter.
			LLNL	\$12,000.00	\$10,930.32	There has been no activity reported for this quarter.
			ORNL	\$140,745.00	\$140,745.00	There has been no activity reported for this quarter.
C.110		Development and Test of an Integrated Safeguards Scheme for Transfers to Dry Storage at CANDU Reactors [JNT USA C 1388 / J. Doo]				
			LANL	\$9,300.00	\$9,300.00	The IAEA requested the participation of Jon Sanborn (State Department) in field trials at the Wolsong Nuclear Power Station in April, sponsored by the Republic of Korea. Dr. Sanborn agreed to

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
C.111		Safeguards System for Chernobyl Unit 4 [JNT USA E 1445 / O. Zatsepin]	BNL/NCT	\$281,000.00	\$193,596.00	The SSTS approved funding by phone poll in January for Colin Carroll (Sonalysts) and Brian Boyer (BNL) to assist the Department of Technical Cooperation at three planning meetings and share the work that has already been done to develop the safeguards approach for the Chernobyl Shelter. Mr. Carroll and Mr. Boyer worked with representatives from the IAEA to develop a Chernobyl Shelter Unattended Monitoring System (CSUMS) design specification, which details the equipment that the IAEA plans to install at the Chernobyl Shelter to monitor the materials under safeguards during the Shelter Stabilization Phase of the Shelter Implementation Plan (SIP). The Agency provided the CSUMS design specification to the Chernobyl Nuclear Power Plant (ChNPP) for review, to ensure that the proposed system meets Ukraine State safety requirements and building codes. The IAEA anticipates installing the monitoring system at the Shelter in May 2005. Mr. Carroll and Mr. Boyer worked with representatives from the IAEA, ChNPP, and the Ukraine Ministry during the week of March 7, 2005, to develop plans for safeguarding nuclear material that may be unearthed during site excavation activities that are planned during the SIP construction. The IAEA plans to provide some equipment to ChNPP that can be used as joint-use. The IAEA will coordinate monitoring procedures with ChNPP to facilitate the thorough and efficient assaying of material. The IAEA, Sonalysts, and BNL will conduct a site visit to Chernobyl in June 2005 to assess the environment around the Shelter and to study the SIP work flow processes. The IAEA team will use the information gathered during this visit to design the IAEA's monitoring approach.
			Sonalysts	\$246,000.00	\$85,088.00	
	C.111.01		LANL	\$60,900.00	\$2,500.00	Please see Task C.111, Contractor: BNL/NCT. Instrumentation Assistance to Shelter Project - The SSTS approved funding at its February 3 meeting for Kiril Ianakiev to assist the IAEA in the construction of a multi-channel analyzer for a NaI spectroscopy design in support of safeguards at Chernobyl Unit 4, to resolve preamplifier problems of radiation measurement systems, and to conduct an in-house seminar on neutron measurement technology and detector stabilization.

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C.112		Consultant - Development Support for Integrated Safeguards [USA C 1451 / D. Hurt]				
			IAEA	\$60,000.00	\$46,937.00	
	C.112.01		ISPO	\$57,000.00	\$0.00	
						The consultant James Larrimore assisted the IAEA in the development of documentation for integrated safeguards and in the preparation and reviewing of other safeguards documentation. This work was performed for the Director of the Division of Concepts and Planning. Mr. Larrimore worked with the IAEA in Vienna from January 24 to February 18. He contributed to a policy paper on transfers of spent fuel to dry storage, to guideline revisions on the design of an integrated safeguards approach for a State, and to a facility-type integrated safeguards approach for storage facilities. Mr. Larrimore provided background on the safeguards criteria requirements in the areas of application of dual C/S, on verification of fresh fuel at power reactors, on verification of spent fuel in LWR ponds, and on LWR spent fuel in transit. He proposed concepts for quality management, evaluation, and reporting of integrated safeguards.
C.113		Development of Techniques to Estimate the Separative Capacity of R&D Isotopes [USA C 1476 / N. Tuley]				
			BNL/NCT	\$25,000.00	\$152.00	
						Brian Boyer and James Lemley (BNL) participated in a conference call on March 2, 2005, with LLNL, LANL, ORNL, DOE, and ISPO, to discuss the project plan for this task.
			LANL	\$40,000.00	\$3,300.00	
						LANL participated in the March 2, 2005, telephone conference call.
			LLNL	\$55,000.00	\$4,905.00	
						Mona Dreicer (LLNL) organized a conference call with LLNL, ORNL, LANL, and BNL, to plan the activities leading up to a workshop, which will be held in early summer.
			ORNL	\$40,000.00	\$936.00	
						Duane Starr and Len Phillips (ORNL) participated in a March 2, 2005, teleconference arranged by LLNL. They will be providing input on gas centrifuge, calutrons, and plasma separation. A two-day workshop to review the combined text is being scheduled for the end of next quarter.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
D.122		Systems Engineering Process for SGIT [USA D 1158 / G. Cherif]				
	D.122.01		CGE&Y	\$251,000.00	\$89,522.00	Cap Gemini Ernst & Young (CGE&Y) reviewed and made minor enhancements to drafts of the SSEP 2.2 document. There will be a management awareness session in late April, and the IAEA, CGE&Y and BIT will work together to finalize SSEP 2.2. Work on SSEP 3.0 will begin in May.
	D.122.02		BIT	\$70,000.00	\$29,623.00	There was no activity. BIT will be in Vienna during the week of April 25, to analyze the current status of SGIT and to design the best strategy for the implementation of the new framework SSEP 2.2, delivered by CGE&Y. BIT will participate in a presentation to SGIT management on April 28.
D.136		Expert - Divisional Information Security Policy Officer - Terrence Dunn [USA D 1335 / D. Schriefer]				
			CFE	\$614,200.00	\$538,844.00	The expert Terrence Dunn advised the Safeguard Departmental Information Security Office on the continuing development and implementation of improved information security policies and procedures. Mr. Dunn examined several reported problems and deficiencies related to information and physical security, and proposed and implemented solutions. He served as departmental representative to the Agency-wide Information Security Policy Steering Group (ISPSG). Mr. Dunn completed an additional revision of the Safeguards online computer security awareness module. He completed additional revisions of the Safeguards Manual (SMM 3.4 - Security of Safeguards Information). Mr. Dunn participated in the Department's planning for business continuity and disaster recovery. He provided expert evaluation of vendors' security products for use by the Vienna International Center.

TaskID	Title Subtas [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
D.137	Consultants - Assistance on Information Collection and Information Systems [USA D 1126 / V. Braguine]				
D.137.01		ISPO	\$73,840.00	\$48,023.00	Allen Locke - There was no activity. The next consulting assignment is planned for Fall 2005.
D.137.02		LLNL	\$50,653.00	\$50,653.00	Mary Beth Ward - The expert has completed all expected assignments. This subtask is closed.
D.137.03		LANL	\$123,000.00	\$83,600.00	Jeff Bedell - There was no activity this quarter. The SSTS approved funding at its February 3, 2005, meeting for Mr. Bedell and Dr. Lundy to make four consulting visits in 2005 and to assist the IAEA from their offices at LANL. Mr. Bedell is considering two, two-week consulting visits in calendar year 2005.
D.137.04		LANL	\$213,000.00	\$140,908.00	Arvid Lundy - The consultant worked with the IAEA in Vienna from March 14 to March 25, 2005. Plans are being made for the next consulting visit to take place from June 13 to June 24, 2005.
D.137.06		PNNL	\$179,767.00	\$127,508.00	Ned Wogman - The consultant completed an assignment to SGIT in Vienna from February 28 to March 11, 2005. He researched two countries and responded to specific SGIT requests. The SSTS approved funding at its February 3, 2005, meeting for two additional, two-week consulting periods. Dr. Wogman's next scheduled consulting period is from August 15 to August 26th.
D.137.07		SNL	\$146,756.90	\$90,863.82	Joyce van Berkel - The SSTS approved funding at its February 3, 2005, meeting for Ms. Van Berkel to consult with the IAEA for a period of six weeks in 2005. The next consulting period is planned tentatively for September.
D.137.08		LLNL	\$161,000.00	\$79,119.85	George Anzelon - There was no activity. The SSTS approved funding at its February 3, 2005, meeting for LLNL consultants to make six, two-week consulting visits to the IAEA during 2005. The assignments will be divided between LLNL experts, according to their schedules and the IAEA's needs.
D.137.09		LLNL	\$108,515.00	\$66,976.33	William Domke - The consultant traveled to Vienna for two weeks in January, to assist in the analysis of information on procurement networks.
D.137.10		LANL	\$2,000.00	\$2,000.00	Don Sandstrom - This subtask is terminated.

TaskID	Title Subtask [Agency# / Task Officer]	Organization	Total Budget	Total Spent	Comments
	D.137.11	LLNL	\$72,982.27	\$72,397.93	
					Roger Miller - There was no activity during this quarter. Mr. Miller's next consultancy is planned from April 4 to 15, 2005.
	D.137.12	LANL	\$57,000.00	\$0.00	
					Richard Wallace - The SSTS approved funding at its February 3, 2005, meeting for Mr. Wallace to conduct two two-week consulting assignments in 2005.
	D.137.13	LLNL	\$29,500.00	\$0.00	
	D.137.14	LLNL	\$29,500.00	\$0.00	
	D.137.15	LLNL	\$0.00	\$0.00	
	D.137.16	LLNL	\$0.00	\$0.00	
	D.137.17	LANL	\$0.00	\$0.00	
	D.137.18	ISPO	\$0.00	\$0.00	
D.138	Open Source Information Collection [USA D 1381 / J. Lepingwell]				
	D.138.03	IAEA	\$39,000.00	\$25,479.00	
					There was no activity during this quarter. The IAEA plans to invite the contractor Eduardo Fujii back to Vienna during the next quarter to do the final K2 interface adjustments. This work will complete his contract with the IAEA.
D.139	Development of Relational Database Management System for Protocol Information [USA D 1336 / G. Chtcherbinine]				
		PNNL	\$357,000.00	\$357,000.00	
					ISPO and the IAEA agreed to close this task as of March 23, 2005.
D.140	Training Course on Analytical Skills Development [USA B 1392 / D. Liles]				
		ISPO	\$0.00	\$0.00	
					ISPO and the IAEA agreed to terminate this task as of March 23, 2005.

TaskID	Subtask	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
D.141		Internship Program [USA D 1396 / R. Gaetano]				
	D.141.04		BNL	\$803,634.00	\$593,179.00	Jennifer Olszewski completed her internship in SGTS/TIE in February. The remaining twelve interns continue in their assignments. They are Indhira Ramirez (SPR), Kathleen Donoghue (SGIT-ISH), Andrew Janowczyk (ISH), Cherie Knickerbocker (JNFL Project), Christopher Duncan (IIS), Sinkyung Kim (IIS), Jessica Satterfield (IIS), Kendra Klump (TNS), Francesco Queirolo (TNS), and Kimberly van Dyke (TIE). The USSP Internship Symposium was held on February 8, 2005. Jessica Satterfield was selected to present her paper on the IAEA's Illicit Trafficking Database Program to the INMM Annual Meeting in July 2005. Christopher Duncan and Cherie Knickerbocker were recognized for outstanding presentations.
	D.141.04		BNL/OEP	\$73,000.00	\$43,505.00	This funding was provided to extend Kimberly Van Dyke's internship through June 2005.
	D.141.05		IAEA	\$52,000.00	\$29,913.00	The consultant Christopher Dalton is working on the Common Inspection Onsite Software Package (CIOSP) 2. Mr. Dalton continued re-factoring CIOSP 2 and preparing a new CIOSP release. He completed the Inventory plug in, the Short Notice Random Inspection (SNRI) plug in, the Module 5 plug in, the Export to Logsheet plug in, and the Annunciator plug in. Mr. Dalton incorporated these plug ins into the CIOSP framework. He began preparing the new release of CIOSP, which necessitates that all of the plug ins be binary compatible. Mr. Dalton started working on InstallShield 7.
	D.141.06		IAEA	\$107,000.00	\$91,905.00	The consultant Gregory Gerrein completed his contract on March 24, 2005. This subtask is closed.
	D.141.07		BNL/OEP	\$300,000.00	\$0.00	

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D.142		Expert - Senior Safeguards Information Analyst [USA D 1403 / J. Lepingwell]	IAEA	\$443,500.00	\$467,366.00	The expert Richard Wallace conducted searches and reviewed open source technical literature for several countries, and contributed analysis of their nuclear capabilities to the state evaluation process. Ad-hoc questions from Operations and the DDG required open-source research, result evaluation, and rapid generation of special summary reports. Dr. Wallace collected and evaluated open source background material to guide inspectors on short-notice complementary access (CA) inspections in several different countries. He provided background information on the facility/organization/location for CA inspections and suggested specific questions for the inspections. Results from the CAs were analyzed with the relevant inspectors and reported to the Operations Division Directors. Dr. Wallace conducted an evaluation of dual-use equipment provided to several countries, to assess the potential of such equipment to support possible undeclared nuclear programs. He identified additional technical documents for inclusion in a local electronic reference repository. Dr. Wallace was an SGIT representative to the IAEA Library User Evaluation study. He developed a criteria document for inspectors on strong nuclear proliferation weaponization indicators. Dr. Wallace provided training on the use of the ISI Web of Science for science and technical literature analysis. He participated on the IIS nVision Analysis Team to help determine IIS requirements for data collection and analysis tools. Dr. Wallace provided technical information to assist the staff who are compiling data for the illicit trafficking database. He provided a detailed analysis of a significant, recent nuclear materials trafficking case and drafted an internal report on Agency procedures for handling such cases. Dr. Wallace completed his CFE assignment on March 31, 2005. This task is complete.
D.146		Quality Control Verification Software for Member States Nuclear Material Accounting Reports to the Agency [USA D 1429 / I. Vlad]	SAIC	\$135,000.00	\$122,268.78	AWST implemented ten final cosmetic change requests, as agreed with the IAEA. They delivered a patch to QCVS release 4 on Feb. 1, 2005, to close the User Acceptance Testing Phase. The IAEA requested three more software changes on March 4 and March 16 2005. AWST delivered two patches to implement the requested changes on March 15, and March 24, 2005.

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D.148		Expert - Special Technology Coordinator [USA D 1443 / M. Nicholas]	CFE	\$293,200.00	\$212,288.00	The expert John Hilliard was designated overall Project Manager for the development of a new information analysis architecture. A new support program task has been submitted and is in the approval process. Mr. Hilliard is the Support Program task manager for a task entitled: "Design and Definition of an Enhanced Information Analysis Architecture," which will encompass the creation of an external expert group for all aspects of information analysis. He was appointed as a steering committee member for a committee that oversees a technology team, for an analyst's team, and for an outside expert team for improving information analysis tools. Mr. Hilliard continued work as project leader of a team to create a new user interface or open source portal for the Department of Safeguards. He contracted, and worked closely with, Verity consultants in the migration from Search 97 to the K2 Enterprise System. Mr. Hilliard is the point-of-contact for the Joint Research Center in Ispra, Italy, which is helping SGIT in open source areas, such as machine language translation, duplication removal, clustering, open source alert systems, name variant and recognition software, and data visualization. He continued to work with INVO on the identification of data mining tools such as Analyst's Notebook and Visualinks, for the purpose of link analysis and data visualization. Mr. Hilliard arranged a visit to the European Anti-Fraud Office in Brussels for collaboration on network analysis tools.
D.149		Specialist Training for IAEA's Imagery Analysts [USA B 1442 / F. Claude]				
	D.149.01		IAEA	\$8,501.00	\$8,501.00	The IAEA has deferred additional training in satellite imagery analysis, until a decision is reached as to how to proceed with the satellite imagery analysis laboratory upgrade. Training needs are expected to be understood by the third quarter. The subtask is on stand by.
D.150		Expert - Systems Analyst [USA D 1460 / J. Smith]	CFE	\$295,100.00	\$221,010.00	The expert Scott Miller focused on the Additional Protocol/Complimentary Access Tracking System (APS/CA), or CATS, software. Integration testing of CATS was completed. The system was installed on the production hardware at the end of January. CATS went live in SGOC in the beginning of February. After the system was running successfully in SGOC, CATS went live in SGOA in the middle of February. Mr. Miller worked with primary support staff in SGOA and SGOC to transfer knowledge of the system, so that they can handle the first line of support. He trained staff members in SGOA and SGOC on use of the system. CATS is being used daily in SGOC and SGOA to manage and secure the documents related to the APS/CA. Mr. Miller worked on the APS/CA and the SAGSI web portal.

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D.151		IAEA Safeguards Information System Re-engineering Project [USA D 1461 / L. Costantini]	TBD	\$0.00	\$0.00	This task provides a mechanism for POTAS-funded support to the ISIS Re-engineering Project. Non-POTAS support is tracked under Task SP.62. There are no activities funded under this task at present.
D.152		Software, Hardware and Database Provision for Satellite Imagery Analysis Support [USA D 1477 / F. Claude]	IAEA	\$100,000.00	\$0.00	The IAEA is waiting for a new bid for the satellite imagery analysis system upgrade. Funds provided under this task are for engineering and design efforts for the security system of the upgrade. The vendor may provide the security system as part of a commercial package, or it may need to be developed. Product offerings have changed since the IAEA sent out the solicitation initially. This will affect how the IAEA will implement strengthened security.
D.153		Junior Professional Officer for the JNFL Project [USA X 1513 / S. Johnson]	IAEA	\$50,000.00	\$0.00	Gregory Gerrein will begin his Junior Professional officer position in the JNFL Project Office on July 4, 2005.
D.154		Expert - IAEA Safeguards Information System Re-engineering Project [USA D 1520 /]	IAEA	\$50,000.00	\$0.00	The SSTS approved this CFE position and the nomination of Richard Watts for the position, at its February 3, 2005, meeting. ISPO nominated Mr. Watts for the position formally. The IAEA is reviewing his application and preparing a job offer for him.
D.155		Imagery Analyst [USA D 1519 / F. Claude]	IAEA	\$50,000.00	\$0.00	The SSTS approved this CFE position and the nomination of Barbara Morey for the position, at its February 3, 2005, meeting. Ms. Morey informed ISPO subsequently that she had to withdraw from consideration. ISPO and the SSTS are seeking new candidates for the position.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
D.156		Software Development Support: LIMS for the SAL [USA D 1523 /]	IAEA	\$55,000.00	\$0.00	The SSTS approved funding at its February 3, 2005, meeting for the IAEA to contract with Construx Software to conduct Phase 1 of the new Laboratory Information Management System (LIMS). Phase 1 includes reviewing the IAEA's LIMS upgrade specification and planning, defining future project plans, cost, risks, resource needs, and work breakdown, and conducting a feasibility study which encompasses the identification of possible commercial partners.
E.114		IAEA Evaluation of Sandia Two-Way Radio Frequency Seals for Inspection Use [USA E 1205 / M. Goldfarb]	ISPO	\$0.00	\$0.00	The IAEA will request new activities related to radio frequency seals under new SP-1s. ISPO and the IAEA agreed that this task is complete as of March 22, 2005.
			SRNL	\$1,000.00	\$1,000.00	The IAEA will request new activities under new SP-1s. ISPO and the IAEA agreed that this task is complete as of March 22, 2005.
	E.114.03		SNL	\$144,027.26	\$144,027.26	KAMS Simulation and Interim Solution - ISPO and the IAEA agreed that this task is complete as of March 22, 2005.
E.116		SVSC Trial Production [USA E 1235 / M. Goldfarb]	Aquila	\$76,000.00	\$77,918.00	The IAEA is buying sample vial secure containers from Aquila, making use of the stockpiled plastic vials that were produced under this task. No additional USSP support is needed at this time. ISPO and the IAEA agreed that this task should be closed as of March 23, 2005.
			BNLCONTR	\$103,000.00	\$102,959.00	
			SNL	\$4,188.55	\$4,188.55	
E.119		Upgrading of GARS Review Software and Software Factory Support [USA E 1249 / J. Whichello]				
	E.119.01		Aquila	\$110,000.00	\$38,000.00	Aquila is awaiting a follow-on contract for this activity. Funding was approved in June 2004 for Aquila to assist the IAEA with GARS software modifications.

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E.121		Development of Authentication Measures for DSNC at DUPIC Facility [USA E 1267 / K. Czock]	LANL	\$162,000.00	\$146,900.00	ISPO and the IAEA agreed that this task is complete as of March 23, 2005.

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E.122		URM Systems Standardization and Support [USA E 1274 / K. Ferstl]				
	E.122.02		LANL	\$70,000.00	\$57,339.00	Radiation Review for VIFM - There has been no activity reported for this quarter.
	E.122.03		LANL	\$140,000.00	\$17,578.00	Performance Review Software - There has been no activity reported for this quarter.
	E.122.04		LANL	\$314,000.00	\$240,482.00	Multi-Instrument Collect (MIC) Generic Module (GM) - LANL restarted activity on the MIC GM in January. The first effort was to realign the archived MIC GM with the current monolithic MIC 1.9.0.7 from Unattended and Remote Monitoring (UNARM) Baseline 1. The final MIC GM will be renamed MIC 2.0. It is planned for release with LANL's UNARM Baseline 2, which is scheduled for June 2005. LANL completed most of the updates to the modules that support the uninterruptible power supply and the direct serial communications. LANL began updating the MIC GM interface specification for use by third party vendors. This will be sent to the IAEA for review and comment. The IAEA is planning a meeting for technical discussions with LANL and third party vendors in July.
	E.122.06		LANL	\$489,000.00	\$489,500.00	Auxiliary Communication Device (ACD) - Canberra Aquila produced the version of the ACD circuit board that will be used at the Rokkasho Reprocessing Plant. LANL is testing this board, so that Canberra Aquila can begin producing them in quantity. LANL completed two prototypes ACDs and delivered them to the IAEA for preliminary testing at Rokkasho.
	E.122.08		LANL	\$157,000.00	\$50,900.00	UMS Software Modifications - LANL has been updating the portion of the specification that addresses the resolution of Baseline 1 software component issues.
	E.122.09		LANL	\$77,700.00	\$64,700.00	Completion and Delivery of Baseline 1 - Peggy Moore and Kelly Michel (LANL) conducted training on the use of the UNARM Baseline 1 product at the IAEA for five days in February. Many meetings were held with the IAEA, pertaining to the use of the UNARM product. Additional meetings addressed general issues, questions, and technical support required for the product. After the training trip, an issues list was generated that recorded each of the items brought to the attention of Ms. Moore and Ms. Michel. They updated the issues list with status information and are having it reviewed for classification at LANL. The document will be sent to the IAEA.

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	E.122.10		LANL	\$100,000.00	\$54,700.00	Study to Convert INCC and ISO to COM Objects - The focus of this task is to assess the feasibility of converting IAEA Neutron Coincidence Counting (INCC) software and Isotopic Review (ISO) software to COM objects for the IAEA. The assessment study has been completed, submitted to, and reviewed with, the IAEA. LANL is awaiting final comment from the IAEA. LANL is in the process of developing interface specification documents for these two COM modules. A draft interface specification document for the ISO COM module has been developed and submitted to the IAEA for comment. A draft of the ISO document was provided for review in mid-February. LANL and the IAEA are discussing the INCC requirements. LANL is making significant revisions to the ISO document. They are writing the INCC document to meet recently identified requirements.
	E.122.11		LANL	\$121,000.00	\$15,400.00	Generic Software Components for the Chernobyl Conditioning Facility - LANL completed the final testing of the Chernobyl conditioning facility software. LANL started the Digital Video Review (DVR) development and documentation. LANL delivered two beta versions of the new DVR to the IAEA for comment and review. Several software components were delivered as part of Baseline 1.
	E.122.12		LANL	\$241,077.00	\$14,200.00	Decomposition of Analysis Modules - Work has begun on creating an Import COM to handle shift register data.
	E.122.13		LANL	\$156,000.00	\$36,300.00	Control Board and Baseline Release Management and Support - This task was created to establish a software control board, consisting of LANL software engineers, to better manage the Unattended and Remote Monitoring (UNARM) software product from LANL. The software board has met on a weekly basis to discuss control board processes and the status and schedule of UNARM software releases. The board has drafted a process for software releases. They have developed the initial process for documenting and tracking software problem reports. The board has generated fifty-one software change requests using this process. Eight have been concluded. Draft procedures were developed for control board operations and software testing. The board has managed the delivery of two major UNARM software baseline deliveries and six smaller deliveries to the IAEA.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
E.125		Remote Monitoring and Unattended Digital Surveillance Systems [USA E 1330 / M. Aparo]				
	E.125.12		IAEA	\$121,000.00	\$120,400.00	GemView Software Upgrade - The GemView software upgrade has been completed and was provided to LANL for review and comment. LANL tested the software and accepted the program as submitted. The GemView software was released formally in December 2004. This task is closed.
	E.125.13		LANL	\$58,000.00	\$16,000.00	Optional Imaging Sensor Development Support - The IAEA was given a briefing on the 2.0 Megapixel Command View Dome camera in February 2005 by Kelly Michel (LANL). Ms. Michel demonstrated a software prototype that displays IPIX images and is integrated into the existing Integrated Review Software (IRS). The IAEA is awaiting receipt of four Command View Dome IPIX cameras from Aquila, before requesting that Ms. Michel travel back to Vienna with a technician from LANL to demonstrate the setup and configuration of the cameras formally. At this time, there is no interest at the IAEA in investigating other cameras for immersive imaging surveillance.
E.126		Expert - Safeguards Equipment Systems Information Security (Tolk) [USA E 1339 / M. Aparo]				
			CFE	\$599,700.00	\$507,138.00	The expert Keith Tolk completed the automated system for authentication and transmission of operator's declarations, called the mailbox system, and it is ready for deployment. Mr. Tolk is evaluating and refining configuration of the Netscreen 5XT network security hardware devices when used as a firewall. The Sign and Forward System has been deployed for operational testing. He is working on the documentation and final refinement of details. Mr. Tolk is examining the public key infrastructure for this system.

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E.127		Expert - Remote Monitored Surveillance Systems Development and Implementation Coordination (Regula) [USA E 1350 / M. Aparo]	CFE	\$450,700.00	\$374,611.00	The expert James Regula is testing and developing new methods of Remote Monitoring (RM) data transfer for the DMOS, VIFM, and MiniGRAND Power Monitor systems, which need to be ready for implementation in April. Mr. Regula is heading a satellite pilot project with the European Space Agency. He will be installing and testing a unit in Vienna, in anticipation of installing the unit in Slovakia for a three-month test. The satellite will run the standard SG VPN tunnel over the link. Mr. Regula traveled to Bulgaria to install the last SDIS system. He connected five units to telecommunications for state-of-health transfer. Six SDIS systems in the Czech Republic were connected by Mr. Regula, making a total of 95 separate systems connected to the SG LAN in Vienna. Mr. Regula submitted another task request to the Korean Support Program for the transmission of RM data from VIFM and DMOS units at Wolsong. He sole sourced a fiber optic/Ethernet cable installation and Internet Service Provider procurement request for Cernavoda, Romania, where he will implement large scale RM operations in June.
E.130		Integrated Safeguard System for SF Conditioning Facility (Part 2/3 of Chernobyl Transfer and Conditioning Campaign) [USA E 1361 / G. Ingrao]				
	E.130.01		Sonalysts	\$331,227.00	\$324,680.00	The IAEA removed the Mobile Monitoring System for Container Transport (MMCT) from railcar number 2 in October, 2004, so that the Chernobyl Nuclear Power Plant (ChNPP) could overhaul the railcar. The railcar overhaul is nearing completion and the IAEA is planning to reinstall the MMCT. ChNPP requested that the IAEA support a fuel transfer in Spring 2005. The IAEA prefers to delay the fuel transfer until Sandia and Aquila complete the MMCT upgrade in June 2005. In this way, the IAEA will have to perform only one MMCT installation. If it is necessary to conduct the fuel transfer before the upgraded MMCT is ready, the IAEA will have to negotiate with ChNPP to reinstall the original MMCT (which is in storage at Chernobyl) or make other arrangements for implementing safeguards during the fuel transfer.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
E.131		Testing/Evaluation Programme for Unattended Monitoring and Surveillance System's Computer Software Operating System [USA E 1370 / G. Rengarajan]				
	E.131.04		LANL	\$86,900.00	\$82,600.00	Multi-Instrument Collect (MIC)/Windows XP Certification - LANL distributed the test report (LA-UR 04-7944) in the documentation package for UNARM Baseline 1 Revision 1. LANL presented the test results to the IAEA in early February. The IAEA is reviewing the task products and test results.
E.133		2002 Factory Support for DIS [USA E 1108 / V. Popescu]				
	E.133.01		Aquila	\$513,301.09	\$400,800.00	Kent Brown and Anthony Gonzales continued to provide factory support for the IAEA's existing digital imaging surveillance (DIS) systems. Mr. Brown is providing technical assistance for SDIS validation testing. He continued testing GARS hardware platforms for field use. Mr. Brown is defining requirements for the upgrades of support software for DIS systems. Initial planning has begun to process GARS surveillance data on the SG LAN. Mr. Brown traveled to Bulgaria for the installation of one SDIS and the de-commissioning of three GEMINI systems. Mr. Gonzales continued testing and upgrading DIS equipment for field use. He is providing liaison support with the factory for DCM-14 upgrades. Mr. Gonzales will participate in the implementation of the replacement of DCM-14 backup batteries program. He performed implementation testing of new DSOS recording unit firmware. The SSTS considered a request from the IAEA, at its February 3, 2005, meeting, for additional manufacturer support. The SSTS deferred its decision.
	E.133.02		Aquila	\$398,125.91	\$112,125.91	The SSTS approved funding by phone poll for Aquila to supply the IAEA with two individuals for twelve months commencing March 2005.
	E.133.03		IAEA	\$134,000.00	\$0.00	

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
E.134		Mobile Safeguard System for SF Transportation from Chernobyl NPP to Conditioning Facility [USA E 1375 / G. Ingrao]				
			IAEA	\$55,000.00	\$55,000.00	
	E.134.01		SNL	\$805,355.28	\$686,318.00	SNL has been funded for the upgrade of the MMCT. Aquila received its contract during the week of March 14, 2005. The project began officially on March 16, 2005. The first report was submitted on March 17, 2005. Aquila has established a schedule to ship the first system by July 1, 2005, and to complete the project by the end of the calendar year.
	E.134.02		LANL	\$257,000.00	\$230,295.00	Testing of the LANL prototype MMCT system has continued with the Baseline 1 version of the software. It appears that no data are missing.
	E.134.03		Aquila	\$121,250.00	\$64,088.00	Aquila received a contract from BNL to upgrade the two existing MMCT systems. System number 2 was residing at SNL. It was returned to Aquila. A contract review between Aquila and SNL took place March 2005. Assembly will take place in the next quarter.
E.135		Safeguards Systems for Chernobyl SF Long Term Dry Storage (Part 3/3 of Chernobyl Transfer and Conditioning Campaign) [USA E 1376 / G. Ingrao]				
	E.135.01		LANL	\$3,923.00	\$3,923.00	ISPO and the IAEA agreed at the March 22 to 23, 2005, USSP Annual Task Review that this task will be placed on stand by.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
E.137		Next Generation Camera Module and Server-Based Surveillance Systems [USA JNT E 1437 / J. Whichello]				
	E.137.01		Sonalysts	\$109,666.00	\$79,617.00	NGSS Project Management Support - Colin Carroll (Sonalysts) worked with Massimo Aparo (IAEA) to finalize the NGSS contract. The Agency signed the NGSS contract with Aquila Technologies and Dr. Neumann Consulting (DNC) in March 2005. The Agency hosted a project kickoff meeting in Vienna on March 23, 2005. Representatives from the Agency, Sonalysts, ISPO, Aquila, DNC, and the German Support Program participated in the meeting. The group discussed project roles and responsibilities, contracting, deliverables, the NGSS project schedule, communications protocols, and DCM-14 development project lessons learned. The group agreed to meet periodically throughout the project to review progress and to resolve any technical or financial problems which may arise.
	E.137.02		IAEA	\$160,000.00	\$0.00	NGSS Phase 1 - The tripartite contract for NGSS has been signed by all parties. Purchase orders have been released to Aquila for Phase 1 and to DNC for Phase 1, Part 1. The IAEA, Aquila, DNC, and representatives of the German and the US Support Programs met in Vienna on March 23, 2005, for the NGSS kickoff meeting. The official starting date of the project was March 23, 2005. The first phase of the project is expected to continue until the end of February 2006.
E.139		Expert - Digital Image Surveillance, Unattended Monitoring System Integration and Remote Monitoring Systems Engineer [USA E 1463 / M. Aparo]				
			CFE	\$194,900.00	\$151,052.00	The expert Lee ReFalo followed the testing for Euratom safeguards systems installed under TREN responsibility, which took place from December 2004 until February 2005. Data was reviewed using the Remote Acquisition of Data and Review (RADAR) software. Although final adjustments to the review software and related configurations are necessary, the system performed well. The test system was removed from service. An installation of the TREN systems is planned for mid-2005. Mr. ReFalo is making preparations for an upgrade to the LANL RRP Integrated Spent Fuel Verification System (ISVS) for deficiencies identified during the installation. Recommendations for improvements have been provided to the Japanese. Initial feedback supports the recommendations. A trip is planned in April to make security upgrades to a variety of LANL provided systems, including NDA and surveillance. Mr. ReFalo reviewed LANL's UNARM Baseline 1 software release. Several problems were identified and other issues were discussed with the LANL team who delivered it in early February.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
E.140		Enhancement of Cobra Fibre Optic Seal System [USA E 1475 / G. Weeks]	IAEA	\$346,000.00	\$141,400.00	Aquila received a purchase order for Phase II of this task on March 22, 2005. Aquila met with George Weeks (IAEA task officer) on March 30, 2005, to coordinate the Phase II development activities.
E.141		Vulnerability Assessment of the FAST Surveillance System Information Security Features [USA E 1502 / B. Wishard]	SNL	\$7,794.00	\$7,793.70	ISPO and the IAEA agreed that this task is closed as of March 22, 2005.
E.142		Vulnerability Assessment of EOSS and IRES Electronic Seals [USA E 1509 / M. Goldfarb]	SNL	\$177,000.00	\$115,598.00	The Sandia vulnerability assessment team met with the developer and the IAEA during the week of February 21, 2005. The developer shared the source code with the Sandia team. The vulnerability assessment is underway. Sandia is providing weekly status reports to the IAEA and ISPO.
E.143		Junior Professional Officer - Engineers Support to Unattended Monitoring [/]	IAEA	\$30,000.00	\$0.00	
E.144		Ultrasonically Interrogated Metal Seal [/]	INL	\$15,000.00	\$0.00	
			PNNL	\$100,000.00	\$0.00	
E.145		VOID-3 Vulnerability Assessment [/]	LANL	\$296,000.00	\$0.00	
E.146		Feasibility Study for Change Detection Software Applied to Metal Seal Signatures [/]	INL	\$52,000.00	\$0.00	

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
E.147		MMS Software Update [/]				
			SNL	\$25,206.00	\$0.00	
			SRNL	\$8,000.00	\$0.00	
F.027		Consultants - Quality Assurance [USA C 1017 / D. Neal]				
	F.027.06		IAEA	\$222,700.00	\$218,506.00	Software Quality Management Training - The IAEA and the Software Engineering Institute have not yet reached an agreement which would allow Software Quality Control Manager Gassim Cherif to receive training from SEI and then provide similar training to other IAEA staff members. The Agency continues to negotiate with SEI, but Mr. Cherif will look for similar training offered by other organizations.
						ISPO and the IAEA agreed at the March 22-23 USSP Annual Task Review that Task F.27 will be closed. This activity will transferred to Task D.122 and be tracked as Subtask D.122.03.
F.032		Consultant - Services Safeguards Issues (R. Hooper) [USA C 1134 / J. Cooley]				
			IAEA	\$525,336.87	\$470,198.00	The consultant Richard Hooper continued revising the seminar on strengthened safeguards. Mr. Hooper revised and annotated presentation material. He changed the format in preparation to hand-off the seminar to the SG Training Section by mid-2006. The revised seminar will be presented three times between May 2005 and May 2006.
F.036		Fixed Term Assistant - Procurement Services [USA F 1472 / A. Hamilton]				
			IAEA	\$228,000.00	\$0.00	The expert Philip Beauparlant is the Division of Procurement's point of contact for the ISIS Re-engineering Program, the Integrated Inspector Information System, the NDA Review subsystem, the Plutonium Inventory Management System, and Quality Management workshops. Mr. Beauparlant's significant contribution to PSS/MTPS has been highlighted, particularly in the areas of ISIS. He was recognized as a team player and a valuable asset to MTPS. Mr. Beauparlant completed a two day training course in March on "Program Management."
S.020		Assistance to IAEA by U.S. Experts [USA X 941 / J. Cooley]				
			ISPO	\$500,895.00	\$494,748.45	ISPO and the IAEA agreed that this task is closed as of March 23, 2005.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
S.026		The Design and Development of an Orientation Course for U.S. CFEs and IAEA Staff [USA X 943 /]	ISPO	\$395,487.00	\$395,487.00	Jeanne Anderer and Greg Gerrein began work on the update of the "Guidebook for U.S. Citizens Going to Work for the IAEA in Safeguards" and on the development of a similar guidebook for interns. Susan Pepper met with Ms. Anderer and Mr. Gerrein in March to discuss the schedule. It was agreed that the first activity would be to draft the Guidebook for interns. The goal is to have a draft available for the intern orientation, scheduled to be held at BNL on May 16.
S.036		Integrated Safeguards Consultations [USA X 1315 / L. Gourgon]	BNL/NCT	\$799,245.00	\$788,714.00	The final report for the task is in preparation.
			ISPO	\$32,349.00	\$32,349.00	
			LLNL	\$12,300.00	\$12,300.00	
			ORNL	\$33,875.00	\$33,875.00	
			PNNL	\$25,000.00	\$24,505.00	
			SNL	\$9,894.51	\$9,894.51	
S.037		ISPO Recruitment Program [USA X 942 /]	ISPO	\$276,422.00	\$276,521.00	ISPO planned for the Electric Power Meeting, which will be held in Chicago from April 4 to 6, 2005.
S.049		IAEA Travel for US Support Program Tasks [USA X 1306 / A. Hamilton]	IAEA	\$1,451,024.00	\$1,186,991.00	This task provides funding to the IAEA for task-related travel. The SSTS responds to quarterly travel projections prepared by the IAEA's Support Program Administration.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
S.053		Non-Proliferation and Disarmament (NDF) Funding for SG Equipment [USA X 1342 / B. Bartsiotas]	ISPO	\$3,106,000.00	\$3,078,387.00	This task was established to track the expenditure of funding provided through the Nonproliferation and Disarmament Fund (NDF) in 2000. The NDF approved funding in 2000 for the procurement of geospatial laboratory and digital image surveillance equipment. ISPO, the IAEA, and the State Department's NDF office are working together to expend the remaining funding and to close out this account.
S.057		USVC Funding in 2001 for SG Equipment [USA X 1393 / B. Bartsiotas]	IAEA	\$10,144,770.44	\$8,347,260.34	This task was established to track the IAEA's expenditure of funding provided in the 2001 US Voluntary Contribution for the procurement of Safeguards equipment.
S.060		Contracts Labor Charge [/]	ISPO	\$161,707.00	\$135,845.00	This task provides funding for the labor charges that are incurred by the BNL Procurement and Property Management Division, while executing contracts and purchase orders for USSP tasks.
S.061		2002 U.S. Voluntary Contribution for Safeguards Equipment [USA X 1490 / B. Bartsiotas]	IAEA	\$6,634,575.73	\$5,333,078.90	This task was established to track the expenditure of the 2002 US Voluntary Contribution for Safeguards Equipment.
S.062		ISIS Reengineering [USA X 1491 / M. Strohmayer]	IAEA	\$7,107,229.00	\$358,741.00	This task was established to track US Voluntary Contributions to the ISIS Reengineering Project. The IAEA is negotiating with the successful bidder and expects to conclude the contracting process in May. The project will start shortly thereafter.
	S.062.01		IAEA	\$575,231.00	\$349,087.91	NPT Accounting Software - The system is still undergoing acceptance testing. The IAEA has accepted system testing of the functional requirements, but there are some performance requirements that have not been accepted yet. Cap Gemini Ernst & Young (CGE&Y) conducted extensive tuning of the system to prepare for another round of testing by the IAEA in May.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
S.065		NDF 2002				
			IAEA	\$4,155,000.00	\$1,918,004.00	This task was established to track the expenditure of funding provided through the Nonproliferation and Disarmament Fund (NDF) in 2002. The NDF approved funding for high priority NDA and surveillance equipment. ISPO, the IAEA, and the State Department's NDF office are working together to expend the remainder of the funding and to close out the account.
S.066		2003 USVC for Safeguards Equipment [/]				
			IAEA	\$7,700,000.00	\$2,112,172.68	This task was established to track the IAEA's expenditure of funding provided in the 2003 US Voluntary Contribution for the procurement of Safeguards equipment.
S.068		Information and Communication Technology Conference [/]				
			ISPO	\$20,000.00	\$0.00	There was no activity scheduled for this quarter at LANL, LLNL, ORNL, PNNL, SNL, or with ISPO contractors.
			LANL	\$10,000.00	\$11,700.00	
			LLNL	\$10,000.00	\$0.00	
			ORNL	\$10,000.00	\$9,925.00	
			PNNL	\$10,000.00	\$9,847.00	
			SNL	\$10,000.00	\$5,821.00	
			Sonalysts	\$85,000.00	\$69,629.00	Colin Carroll (Sonalysts) drafted the SGIT workshop summary report and submitted it to the IAEA in February for review and comment. Mr. Carroll will finalize the report, when he receives the Agency's comments.
S.069		2004 USVC for Safeguards Equipment [/]				
			IAEA	\$4,359,600.00	\$670,071.59	This task was established to track the IAEA's expenditure of funding provided in the 2004 US Voluntary Contribution for the procurement of Safeguards equipment.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
S.070		Support to the IAEA's Office of Internal Oversight for an Evaluation of the Effectiveness of Member State Support Programs Within the Safeguards Department				
		[/]				
			Sonalysts	\$49,566.00	\$40,373.00	Colin Carroll (Sonalysts) served as one of three members of the MSSP Evaluation Team. Kamal Araj (IAEA's Office of Internal Oversight Services (OIOS)) and Sergio Guardini (private consultant) served as the other team members. The goal of the MSSP evaluation is to assess the effectiveness of the Agency's MSSP management. Mr. Carroll incorporated comments into the evaluation report, which was provided to the team by the Support Program Administration. He prepared the final report for publication. Mr. Carroll presented a summary of the evaluation's conclusions and recommendations at the MSSP Coordinators' Meeting in Vienna in March. He participated as an advisor during a working group session with selected MSSP Coordinators. Mr. Carroll assisted the coordinators by explaining the basis for the team's comments and recommendations. The approved scope of work is complete. This task is closed.
S.071		NDA Training Course Relocation				
		[/]				
			IAEA	\$5,000.00	\$0.00	There has been no activity reported for this quarter.
			INL	\$45,000.00	\$0.00	ISPO, DOE, and LANL conducted a site visit of Idaho National Laboratory (INL) facilities during the week of January 10, 2005. The SSTS approved funding for INL to identify materials to be used for the NDA Training Course, to send two staff members to LANL for two weeks for the next NDA course, and to conduct safety and security reviews.
			ISPO	\$36,000.00	(\$1,097.00)	ISPO and DOE (Relocation Evaluation Team) met with LANL, during the week of January 10, 2005, to discuss the details and logistics of conducting the NDA Training Course. LANL subject matter experts joined the team later in the week to evaluate the INL site.
			LANL	\$24,000.00	\$20,900.00	See Task S.071, Contractor: ISPO.
			SRNL	\$4,000.00	\$0.00	There has been no activity reported for this quarter.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
S.072		Technical Meeting on Novel Technologies (including discussion of OIOS MSSP Management Audit), Washington, February 24-25, 2005 [/]	IAEA	\$0.00	\$0.00	Nikolai Khlebnikov, Max Aparo, and Gene Bosler (SGTS) met with the SSTS and ISPO at the State Department on February 24. They presented plans for future workshops, including the technical meeting on enrichment verification which is scheduled for April, the technical meeting on noble gas monitoring which is scheduled tentatively for July, and the topical workshop on inspector tools of the future which is planned for the fall. Other topics included the results of the recent audit of the Department of Safeguards' management of MSSP contributions (POTAS Task SP.70) by the Office of Internal Oversight and a discussion of the future of surveillance systems technical support in the European Union nuclear facilities. This task is on stand by, in the event that the IAEA proposes new activity for it.
S.073		2005 USVC for Safeguards Equipment [/]	IAEA	\$0.00	\$0.00	This task was established to track the IAEA's expenditure of funding provided in the 2005 US Voluntary Contribution (USVC) for the procurement of Safeguards equipment. The US pledge will include the USVC for Safeguards equipment and will be sent to the IAEA in May. The SSTS will review the IAEA's equipment request shortly thereafter.

TaskID	Subtask	Title [Agency# / Task Officer]	Organization	Total Budget	Total Spent	Comments
S.074		Enrichment Technical Meeting [/]	BNL/NCT	\$14,000.00	\$3,934.00	The IAEA is hosting a technical meeting to be held from April 18 to 22, 2005, on techniques for IAEA verification of enrichment facilities. ISPO worked with representatives from SSTS organizations and DOE national laboratories during a planning meeting on February 22 and 23, in Washington D.C., to identify topics of interest and US representation to this meeting. The SSTS approved by phone poll the following participants to the meeting: Bill O'Connor (DOE), Bruce Moran (NRC), George Anzelon (LLNL), Brian Boyer (BNL), Diana Langner (LANL), John Wacker (PNNL), and Michael Whitaker (ORNL). The SSTS approved funding for the laboratory participants. Bill O'Connor's and Bruce Moran's travel expenses will be paid by their own organizations. The IAEA accepted all of the suggested participants to the meeting.
			LANL	\$18,000.00	\$1,400.00	
			LLNL	\$16,000.00	\$0.00	
			ORNL	\$14,000.00	\$12,167.00	
			PNNL	\$19,000.00	\$12,034.00	
S.075		Topical Workshop [/]	Sonalysts	\$86,000.00	\$0.00	
S.076		Technical Meeting on HRGS for Analysis of Environmental Samples [/]	LANL	\$18,000.00	\$0.00	
			LLNL	\$41,200.00	\$0.00	
			ORNL	\$34,000.00	\$0.00	
			PNNL	\$19,000.00	\$0.00	
W.001		Work For Others [/]	LANL	\$28,740.00	\$212.00	This task is used to reclaim funding from completed tasks at LANL. This funding will be redirected to new activities at LANL.

TaskID	Subtas	Title [Agency# / Task Officer]	Organizatio	Total Budget	Total Spent	Comments
W.003		Work for Others [/]				
			ORNL	\$765.24	\$390.00	This task is used to reclaim Work for Others fees and funding from completed tasks at ORNL. This funding will be redirected to new activities at ORNL.